



FFCO



ENTERED



Waste Management Programs Group
Los Alamos National Laboratory
P.O. Box 1663, M969
Los Alamos, NM 87545
(505) 667-8160

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, NM, 87544
(505) 667-5105/Fax (505) 667-5948

Date: **OCT 27 2017**
Symbol: EPC-DO: 17-442
LA-UR: LA-UR-17-29856

Locates Action No.:

RETURN RECEIPT REQUESTED

Ms. Siona Briley, STP Project Manager
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East Building 1
Santa Fe, New Mexico 87505-6303

Subject: Notice of Completion of Off-Site Waste Shipment for Final Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order, Los Alamos National Laboratory

Dear Ms. Briley:

This letter notifies the New Mexico Environment Department (NMED) per Section IX(A)(1), Deletion of Waste in the Federal Facility Compliance Order (FFCO) which requires that the Department of Energy (DOE) and Los Alamos National Security, LLC (LANS) notify the NMED of the shipment off site of waste included in the STP, and provide documentation of the receipt of the waste at an off-site storage facility within 45 days of its receipt.

On April 2014, 6 Standard Waste Boxes were shipped to Waste Control Specialist (WCS) in Andrews, Texas facility for temporary off-site storage due to the closure of the Waste Isolation Pilot Plant (WIPP). Due to the fact this was transferred for interim storage, it was not removed from the STP inventory as documented in HWB-LANL-14-026. WIPP is now operational and is accepting waste for final disposal.



This correspondence is notification that 6 Standard Waste Boxes that contained 55 gallon containers (12 STP items in total) were received by WIPP for Final Disposal in September 2017 and October 2017, as detailed by the enclosed waste manifests. For your reference, included are the MTRU Shipment Detail (Enclosure 1), MTRU Shipment Manifest (Enclosure 2) and the HWB-LANL-14026 (Enclosure 3).

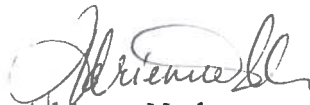
In accordance with the requirements of Section XX of the FFCO, "*Documents, Information, and Reporting Requirements*," we certify, as the project managers responsible for overseeing the implementation of the Site Treatment Plan for the Los Alamos National Laboratory and for Los Alamos Site Office/National Nuclear Security Administration, that, to the best of our knowledge and belief, the information in this document is true, accurate, and complete. If you have any questions, please contact Ellen E. Gammon at (505) 665-5587, or by email at eboneya@lanl.gov, or Adrienne L. Nash at (505) 665-5026, or by email at adrienne.nash@nnsa.doe.gov.

Sincerely,



Ellen Gammon
STP Project Manager
Waste Management Programs (WM-PROG)
Los Alamos National Security, LLC

Sincerely,



Adrienne Nash
STP Project Manager
Los Alamos Field Office
U.S. Department of Energy
National Nuclear Security Administration

EG/AN:aomm

Enclosure 1: MTRU Waste Shipment Detail
Enclosure 2: MTRU Waste Shipment Manifest
Enclosure 3: Letter from John E. Kieling Notice of Completion of Off-Site Waste Shipment for Storage Pending Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order Los Alamos National Laboratory HWB-LANL-14-0426

Cy: John Kieling, NMED-HWB, (E-File)
Adrienne L. Nash, LASO-LA, (E-File)
Jody M. Pugh, NA-LA, (E-File)
Darlene S. Rodriguez, LASO-NS-LP, (E-File)
David J. Nickless, EM-LA, (E-File)
Craig S. Leasure, PADOPS, (E-File)
William R. Mairson, PADOPS, (E-File)
Michael T. Brandt, ADESH, (E-File)
Raeanna R. Sharp-Geiger, ADESH, (E-File)
Susan L. McMichael, LC-ESH, (E-File)
John C. Bretzke, EPC-DO, (E-File)
Benjamin B. Roberts, EPC-DO/ADEM, (E-File)
Tammy A. Diaz, EPC-WMP, (E-File)
Matthew S. Duran, EPC-WMP, (E-File)
Alice Olivia Michelle Martinez, EPC-WMP, (E-File)

David J. Funk, ADEM, (E-File)
Patrice A. Stevens, ADPSM, (E-File)
Wayne P. Hohs, WD-DO, (E-File)
Donald L. Allen, WD-WPE, (E-File)
David E. Frederici, WD-WPE, (E-File)
Sean B. French, WD-WPE, (E-File)
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adesh-records@lanl.gov, (E-File)

ENCLOSURE 1

MTRU Shipment Details Table

EPC-DO: 17-442

LA-UR: 17-29856

Date: OCT 27 2017

MTRU Shipment Details Table

CP Section	Container ID	Waste Stream	Acceptable Knowledge ID	Treatability Group	Manifest No.	Volume Removed from STP Inventory (m3)	Volume Shipped (m3)	Shipment Date
4	LASB02193/S818304	LA-CIN01.001	CCP-AK-LANL-006	Solidified Organic and Inorganic Waste	014974116JJK	0.208	0.208	9/14/2017
4	LASB02193/S853650	LA-CIN01.001	CCP-AK-LANL-006	<i>Solidified Organic and Inorganic Waste</i>	014974116JJK	0.208	0.208	9/14/2017
4	LASB02193/S864571	LA-CIN01.001	CCP-AK-LANL-006	<i>Solidified Organic and Inorganic Waste</i>	014974116JJK	0.208	0.208	9/14/2017
4	LASB02214/LA00000063830	LA-MHD01.001	CCP-AK-LANL-006	<i>Combustible-Noncombustible Waste</i>	014974116JJK	0.208	0.208	9/14/2017
4	LASB02217/92694	LA-MHD01.001	CCP-AK-LANL-006	<i>Combustible-Noncombustible Waste</i>	014974116JJK	0.208	0.208	9/14/2017
4	LASB02217/55345	LA-CIN01.001	CCP-AK-LANL-006	<i>Solidified Organic and Inorganic Waste</i>	014974116JJK	0.208	0.208	9/14/2017
4	LASB02217/55321	LA-CIN01.001	CCP-AK-LANL-006	<i>Solidified Organic and Inorganic Waste</i>	014974116JJK	0.208	0.208	9/14/2017
4	LASB02205/S835295	LA-CIN01.001	CCP-AK-LANL-006	<i>Solidified Organic and Inorganic Waste</i>	014974124JJK	0.208	0.208	10/3/2017
4	LASB02205/54078	LA-CIN01.001	CCP-AK-LANL-006	<i>Solidified Organic and Inorganic Waste</i>	014974124JJK	0.208	0.208	10/3/2017
4	LASB02225/92843	LA-MHD01.001	CCP-AK-LANL-006	<i>Combustible-Noncombustible Waste</i>	014974124JJK	0.208	0.208	10/3/2017
4	LASB50093/92874	LA-CIN01.001	CCP-AK-LANL-006	<i>Combustible-Noncombustible Waste</i>	014974124JJK	0.208	0.208	10/3/2017
4	LASB50093/LA00000068682	LA-MHD01.001	CCP-AK-LANL-006	<i>Combustible-Noncombustible Waste</i>	014974124JJK	0.208	0.208	10/3/2017

ENCLOSURE 2

MTRU Shipment Manifests

EPC-DO: 17-442

LA-UR: 17-29856

Date: **OCT 27 2017**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NM489010515		2. Page 1 of 1	3. Emergency Response Phone 505-667-6211		4. Manifest Tracking Number 014974116 JJK								
		5. Generator's Name and Mailing Address <div style="display: flex; justify-content: space-between;"> <div> WCS on behalf of LANL on behalf of U.S. DOE 9998 W State HWY 17E Andrews, TX 79714 USA Generator's Phone: 435-525-5500 </div> <div> Los Alamos National Security LLC for TA-54 West, BLDG 38 Los Alamos, NM 87545 USA </div> </div>													
GENERATOR		6. Transporter 1 Company Name Cast Specialty Inc.				U.S. EPA ID Number COR000205722									
		7. Transporter 2 Company Name				U.S. EPA ID Number									
DESIGNATED FACILITY		8. Designated Facility Name and Site Address USDOE in care of WIPP Nuclear Waste Partnership 30 Miles SE of Carlsbad on Jal Highway Carlsbad, NM 88221 USA Facility's Phone: 575-234-8125				U.S. EPA ID Number NM4890139028									
		9a. HM				9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity					
TRANSPORTER		X 1.		RQ UN2916, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, PU-239, PU-240, 3.10E+00 TBq, Solid/Oxide, Radioactive Yellow-II, TI-0.3, USA9218/B(U)F-96, TP-167		1		CM		1690		K		13. Waste Codes F001 F002 F005 D004 D005 D006	
		X 2.		RQ UN2916, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, PU-239, PU-240, 2.62E+00 TBq, Solid/Oxide, Radioactive Yellow-II, TI-0.3, USA9218/B(U)F-96, TP-126		1		CM		1592		K		F001 F002 F005 D004 D005 D006	
		X 3.		RQ UN2916, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, PU-239, PU-240, 3.26E+00 TBq, Solid/Oxide, Radioactive Yellow-II, TI-0.3, USA9218/B(U)F-96, TP-160		1		CM		1585		K		F001 F002 F005 D004 D005 D006	
		4.													
INTL		14. Special Handling Instructions and Additional Information Shipmen # WC170011, ERG#163; Tractor # C-41, Trailer # C-367; Gross weight (KG) TP # 157-7557KG 14-108455/ LASB02217, TP # 126-7278KG 14-108433/ LASB02214, TP # 160-7331KG, 14-108422/ LASB02193													
		15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
DESIGNATED FACILITY		Generator's/Offoror's Printed/Typed Name Renee Taylor				Signature <i>Renee Taylor</i>				Month Day Year 19 14 17					
		16. International Shipments <input type="checkbox"/> Import to U.S. Transporter signature (for exports only): <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:													
DESIGNATED FACILITY		17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Steve Spitzer				Signature <i>Steve Spitzer</i>				Month Day Year 19 14 17					
		Transporter 2 Printed/Typed Name				Signature				Month Day Year					
DESIGNATED FACILITY		18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:													
		18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year													
DESIGNATED FACILITY		19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. H132 3. H132 4.													
		20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Ruben Carrasco Signature <i>Ruben Carrasco</i> Month Day Year 10 14 17													

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NM0890010515		2. Page 1 of 1	3. Emergency Response Phone 505-667-6211		4. Manifest Tracking Number 014974124 JJK		
5. Generator's Name and Mailing Address WCS on behalf of LANL on behalf of U.S. DOE 9998 W State HWY 176 Andrews, TX 79714 USA					Generator's Site Address (if different than mailing address) Los Alamos National Security LLC for TA-54 West, BLDG 36 Los Alamos, NM 87545 USA				
Generator's Phone: 435-525-8500									
6. Transporter 1 Company Name Cast Specialty Inc					U.S. EPA ID Number COR000206722				
7. Transporter 2 Company Name					U.S. EPA ID Number				
8. Designated Facility Name and Site Address USDOE in care of WIPP Nuclear Waste Partnership 30 Miles SE of Carlsbad on Jal Highway Carlsbad, NM 88221 USA					U.S. EPA ID Number NM4590139066				
Facility's Phone: 575-234-8125									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
					No.	Type			
	X	1. RQ UN2916, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, PU-239, PU-240, 3.08E+00 TBq, Solid/Oxide, Radioactive Yellow-II, TI-0.4, USA/9218/B(U)F-95, TP-149			1	CM	1807	K	F001 F002 F005 D004 D005 D006
	X	2. RQ UN2916, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, PU-239, PU-240, 3.98E+00 TBq, Solid/Oxide, Radioactive Yellow-II, TI-0.4, USA/9218/B(U)F-95, TP-193 <i>0.9 RT #13/17</i>			1	CM	1546	K	F001 F002 F005 D004 D005 D006
	X	3. RQ UN2916, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, PU-239, PU-240, 1.84E+00 TBq, Solid/Oxide, Radioactive Yellow-II, TI-0.4, USA/9218/B(U)F-95, TP-200			1	CM	1454	K	F001 F002 F005 D004 D005 D006
	4.								
14. Special Handling Instructions and Additional Information <i>48 RT-10/13/17</i> Shipment # WC170012; ERG#163; Tractor # C-45, Trailer # C-353; Gross weight (KG) TP # 149-7693KG, 14-108610/ LASB02225, TP # 193-7313KG 14-108435/ LASB02205, TP # 200-7193KG 14-108632/ LASB00093									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name <i>Renee Taylor</i>					Signature <i>Renee Taylor</i>		Month Day Year <i>10 13 17</i>		
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.					Port of entry/exit: Date leaving U.S.:			
	Transporter signature (for exports only):								
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name <i>Henry Leriva</i>					Signature <i>Henry Leriva</i>		Month Day Year <i>10 13 17</i>	
	Transporter 2 Printed/Typed Name					Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	Manifest Reference Number:								
	18b. Alternate Facility (or Generator)					U.S. EPA ID Number			
	Facility's Phone:								
	18c. Signature of Alternate Facility (or Generator)					Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
	1. <i>H132</i>		2. <i>H132</i>		3. <i>H132</i>		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name <i>Ruben Carrasco</i>					Signature <i>Ruben Carrasco</i>		Month Day Year <i>10 03 17</i>		

ENCLOSURE 3

**NMED LETTER July 17 2014 Notice of
Completion of Off-site Waste Shipment for
Storage Pending Disposal**

EPC-DO: 17-442

LA-UR: 17-29856

Date: **OCT 27 2017**



SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us



RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

July 17, 2014

Mr. Andrew Worker
STP Project Manager
Los Alamos Field Office
National Nuclear Security Administration
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Ms. Monica Noll
STP Project Manager
Waste Management Programs (WM-PROG)
Los Alamos National Laboratory
P.O. Box 1663, MS-K996
Los Alamos, NM 87545

**RE: NOTICE OF COMPLETION OF OFF-SITE WASTE SHIPMENT FOR
STORAGE PENDING DISPOSAL, ACTIVITY 4.0, COMPLIANCE PLAN, SITE
TREATMENT PLAN, FEDERAL FACILITY COMPLIANCE ORDER
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-14-026**

Dear Mr. Worker and Ms. Noll:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security, LLC (LANS) (collectively, the Respondents) *Notice of Completion of Off-Site Waste Shipment for Storage Pending Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order, Los Alamos National Laboratory* dated May 14, 2014, and received May 15, 2014, and referenced by WM-DO-14-039 and LA-UR-14-23406.

NMED has reviewed shipment activity and enclosed manifest and has the following comment:

Comment:

On February 14, NMED received notice of a release at the Waste Isolation Pilot Plant (WIPP) nuclear waste repository. The DOE identified that drum 68660 experienced an energetic chemical reaction which ultimately led to the release of radioactive material. Drum 68660 is part

Mr. Worker and Ms. Noll
July 17, 2014
Page 2

a nitrate salt waste stream identified as LA-MIN02-V.001. As stated in this manifest, approximately 153 containers from this waste stream were shipped to Waste Control Specialist, LLC, Texas (WCS) for temporary storage pending the reopening of WIPP between April 1-22, 2014.

As required by the NMED, the Permittees submitted the *Revised LANL Nitrate Salt-Bearing Waste Container Isolation Plan* on May 29, 2014, and the Permittees have begun to isolate all drums containing the associated nitrate salt-bearing waste stream (LA-MIN02-V.001). The Permittees report that these drums have been placed in standard waste boxes and are under continuous air and thermal monitoring (as of June 6, 2014).

The cause of the chemical reaction is still under investigation, and the need for additional remediation on these containers is unknown. In light of recent events, and the potential need to re-remediate all nitrate salt-bearing waste, NMED has determined that the removal of mixed transuranic waste (mixed-TRU) from the site treatment plan (STP) will be placed on hold until more information becomes available and it becomes clear that the waste currently stored at WCS will not be returned to LANL.

Please contact Siona Briley of my staff at (505) 476-6049 should you have any questions or concerns.

Sincerely,



John E. Kielling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
T. Hall, NMED HWB
S. Briley, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
A. Dorries, ENV-DO

File: LANL, Site Treatment Plan 4.0, May 14, 2014 and
Fiscal Year 2014.